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Schwing Bpa 500 Service Manual

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steering is expressed as here track width distance between left and right knuckles

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 pinion z 1 20 gear z 2 40 reference diameter of pinion d 1 20 2 40 reference diameter of gear d 2 40 2 80 center distance a
 40 80 2 60 c 0 25 2 0 5

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 travelling operation mass to be moved m 820 kg

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 racks opposite each other and the teeth surfaces are tangent to the faces the center pinion is a 20 tooth 2 module gear

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 pinion to produce the distance of the rack and is commonly used in vehicle and other types of engines and mechanical
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 90 meters and more from module 1 to 12 rack quality 4 to 10 straight or helical teeth and so on accuracy is the starting point
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 relation $z_2 \geq \frac{1}{\sin^2 \phi} + 1$ substituting values in above equation minimum number of teeth on pinion are 18 standard gear

ratio for rack and pinion 1 5 therefore no of teeth on rack 18 1 5 27 3 3 selection of

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